

**From:** "Gregory J. Keefer" <keefe002@bama.ua.edu>  
**Subject:** Recent Soak Samples  
**Date:** April 8, 2005 12:47:47 PM PDT  
**To:** Bruce Berger <BEBerger@lbl.gov>, KMHeeger@lbl.gov  
**Cc:** Andreas Piepke <andreas@bama.ua.edu>  
4 Attachments, 30.8 KB

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Hi Karsten,

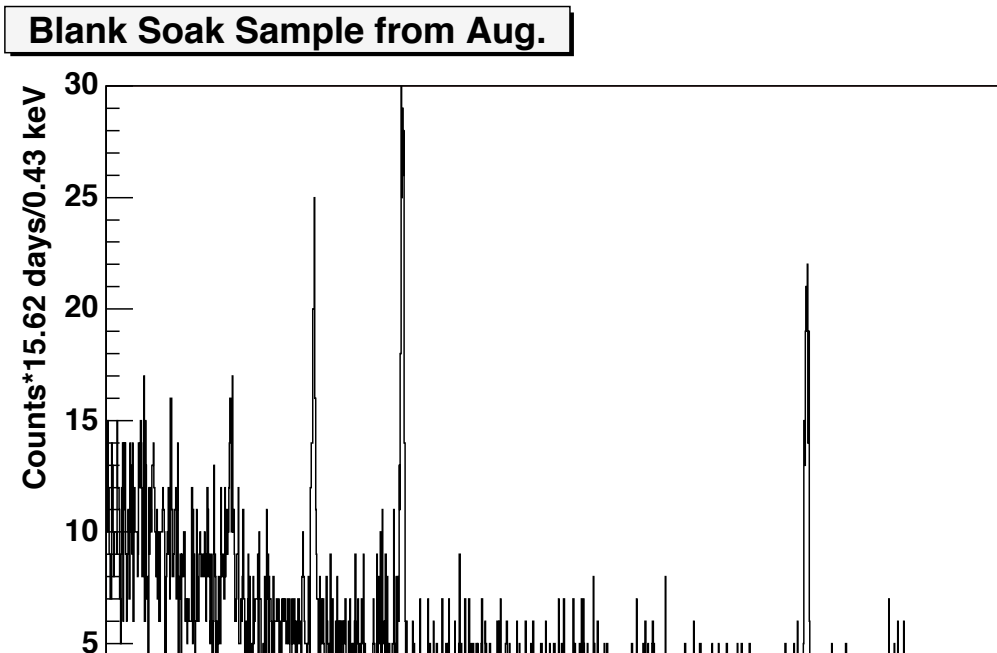
I have looked again at the sample spectra and there is some question on the manner in which these soaks were prepared. The blank sample has a visible amount of K and Th. This is visible in the attached spectra. The cable soak sample has a comparable concentration of K, but it is not comparable in the Th values, you can see this from the web page. However, due to the blank sample there is no clear way of how to interpret the results. I would like to propose that for all further soaks that we count for at least 15 days. In this time, the peaks have become visible, where it is hard to see any significance by eye in only 5 days of counting. However we still need to discuss what to do about the current situation.

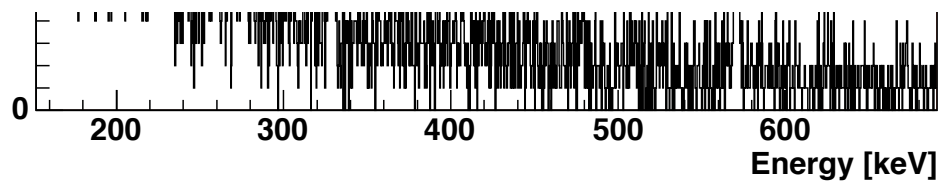
I have also addressed Bruce because I know he was involved in the initial soak so he may be able to answer questions on procedures. If it is possible that we can all talk on the phone today to see what is the best way to resolve this issue that would be great. I know we really want to get all of this on the way and I don't want to delay it any more than we have to.

I have also updated the web page so that you can view the results of the analysis for these two spectra.

<http://www.bama.ua.edu/~keefe002/KamLAND/results.html>

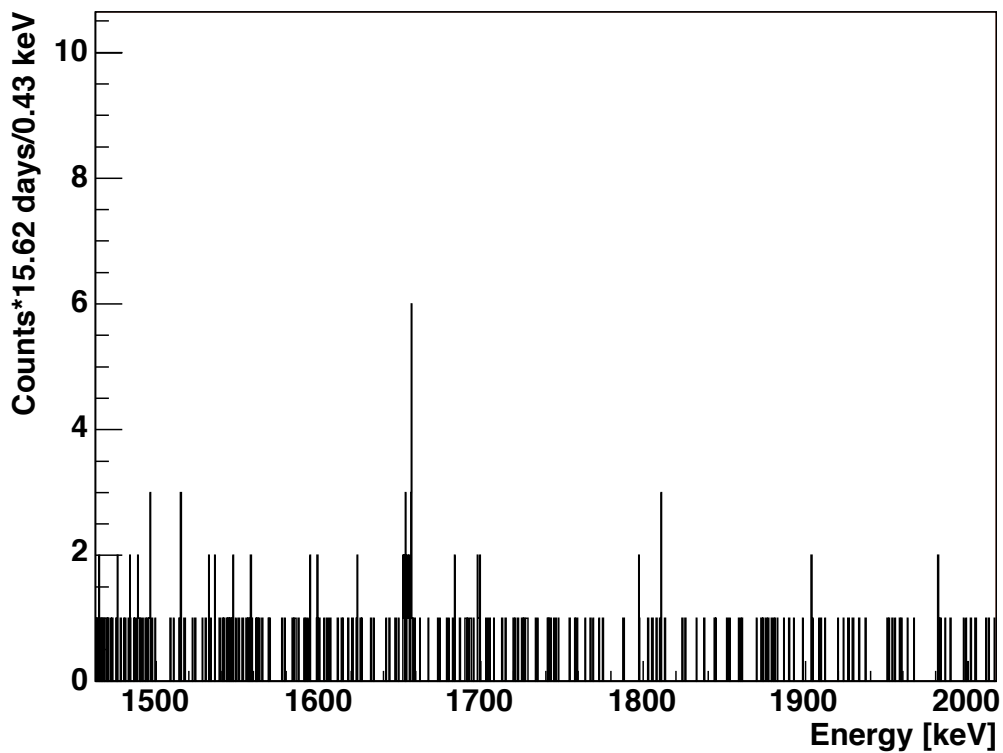
Regards,





Greg [th\\_peaks.eps](#)

### Blank Soak Sample from Aug.



[k40\\_peak.eps](#)